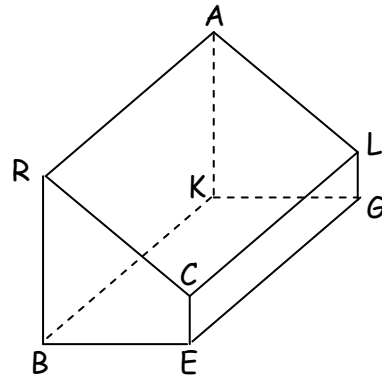


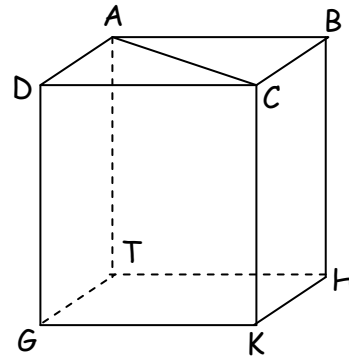
6.3 I can identify parallel lines and apply angle relationships to solve problems.

1. Name all segments parallel to \overline{GE} .
2. Name all segments parallel to \overline{BE} .
3. Name two pair of skew lines.
4. Name a pair of parallel planes.



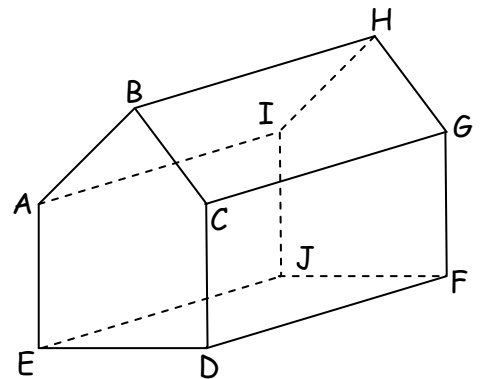
Tell whether the lines are intersecting, parallel or skew.

- | | |
|---|---|
| 5. \overleftrightarrow{DG} and \overleftrightarrow{BH} | 6. \overleftrightarrow{AB} and \overleftrightarrow{BC} |
| 7. \overleftrightarrow{AC} and \overleftrightarrow{GT} | 8. \overleftrightarrow{TH} and \overleftrightarrow{DG} |
| 9. \overleftrightarrow{AT} and \overleftrightarrow{CK} | 10. \overleftrightarrow{AC} and \overleftrightarrow{CK} |
| 11. \overleftrightarrow{BH} and \overleftrightarrow{CB} | 12. \overleftrightarrow{GK} and \overleftrightarrow{BH} |



Write true or false

- | | |
|--|--|
| 13. $\overleftrightarrow{CB} \parallel \overleftrightarrow{GH}$ | 14. $\overleftrightarrow{ED} \parallel \overleftrightarrow{HI}$ |
| 15. plane AED \parallel plane FGH | 16. plane ABH \parallel plane CDF |
| 17. \overleftrightarrow{AB} and \overleftrightarrow{HG} are skew | 18. \overleftrightarrow{AE} and \overleftrightarrow{BC} are skew |
| 19. \overleftrightarrow{CF} and \overleftrightarrow{AI} are skew | 20. \overleftrightarrow{CF} and \overleftrightarrow{AJ} are skew |



6.3 Parallel Lines and Angle Relationships

Draw and label each of the following.

21. planes C and D intersect, and planes D and E intersect, but planes C and E do not intersect.

22. $\overleftrightarrow{AM} \parallel \overleftrightarrow{FG} \parallel \overleftrightarrow{JB}$.

23. Draw line p intersecting line q .

24. Planes A and B intersecting in \overleftrightarrow{XY}

25. a ray with endpoints M that passes through P